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insect relations of this remarkable family. *Heliamphora* and *Darlingtonia* are still recognized as monotypic, but a new species of *Sarracenia* (*S. Sledgei*, from the Gulf states) is described, 7 in all being recognized.—J. M. C.

Lactarius and Russula.—BATAILLE⁹ has published a monograph of these genera, to which he gives the group name *Astérosporés*, on account of their echinulate or granulate spores. He describes all of the European species, adding personal observations to the diagnoses of the various authors. The keys are admirably constructed to lead easily to the species. For *Lactarius* the author has adopted the classification of QUÉLET. For *Russula* the two grand divisions (*Leucosporae* and *Xanthosporae*) of QUÉLET are continued, but a number of subsections are defined and named. At the same time, it is shown, that the color of the spores is not a very reliable character, and the principal groups must be defined by a varying combination of characters.—J. M. C.

Grout's Mosses.—The fourth part of this work,¹⁰ issued in April last, maintains the reputation of its predecessors and brings the author's task within sight of completion. Part V, the final one, is announced for 1909, to contain some plates and text missing from this part, together with an index and other useful adjuncts.

Part IV completes the *Leskeaceae* and contains a good part of the *Hypnaceae*, with the usual excellent reproductions of illustrations from the *Bryologia Europaea* and SULLIVAN'S *Icones*, and some characteristic details which are original.—C. R. B.

Index of desmids.—A supplement to NORDSTEDT'S *Index Desmidiacearum*, which was published in 1896, has just appeared.¹¹ The interval of over ten years has witnessed such an accumulation of material that a large supplement became necessary. The new bibliography included bears testimony to the great activity of the students of the group during this period, about 500 titles being enumerated, under 120 authors. To examine this vast amount of material and to organize it for the purpose of the index has called for an amount of labor that the students of desmids are sure to appreciate.—J. M. C.

Flora of Greece.—The last fascicle of Halácsy's *Conspectus Florae Graecae* was published in 1904, and now a supplement has been issued.¹² The first fas-

⁹ BATAILLE, FRÉDÉRIC, Flore monographique des *Astérosporées* (Lactaires et Russules). pp. 100. Besançon (route de Vesoul, 18): The author. 1908. *fr.* 3.

¹⁰ GROUT, A. J., Mosses with hand lens and microscope. A non-technical handbook of the more common mosses of the northeastern United States. Part IV. Imp. 8vo. pp. 247-318. *pls.* 56-75. *figs.* 134-165. Brooklyn: The Author, 360 Lenox Road, Flatbush. 1908. \$1.25.

¹¹ NORDSTEDT, C. F. O., Index Desmidiacearum citationibus locupletissimus atque bibliographia. Supplementum. pp. 150. Berlin: Gebrüder Borntraeger. 1908.

¹² HALÁCSY, E. DE, Conspectus Florae Graecae. Supplementum. pp. 132. Leipzig: Wilhelm Engelmann. 1908.